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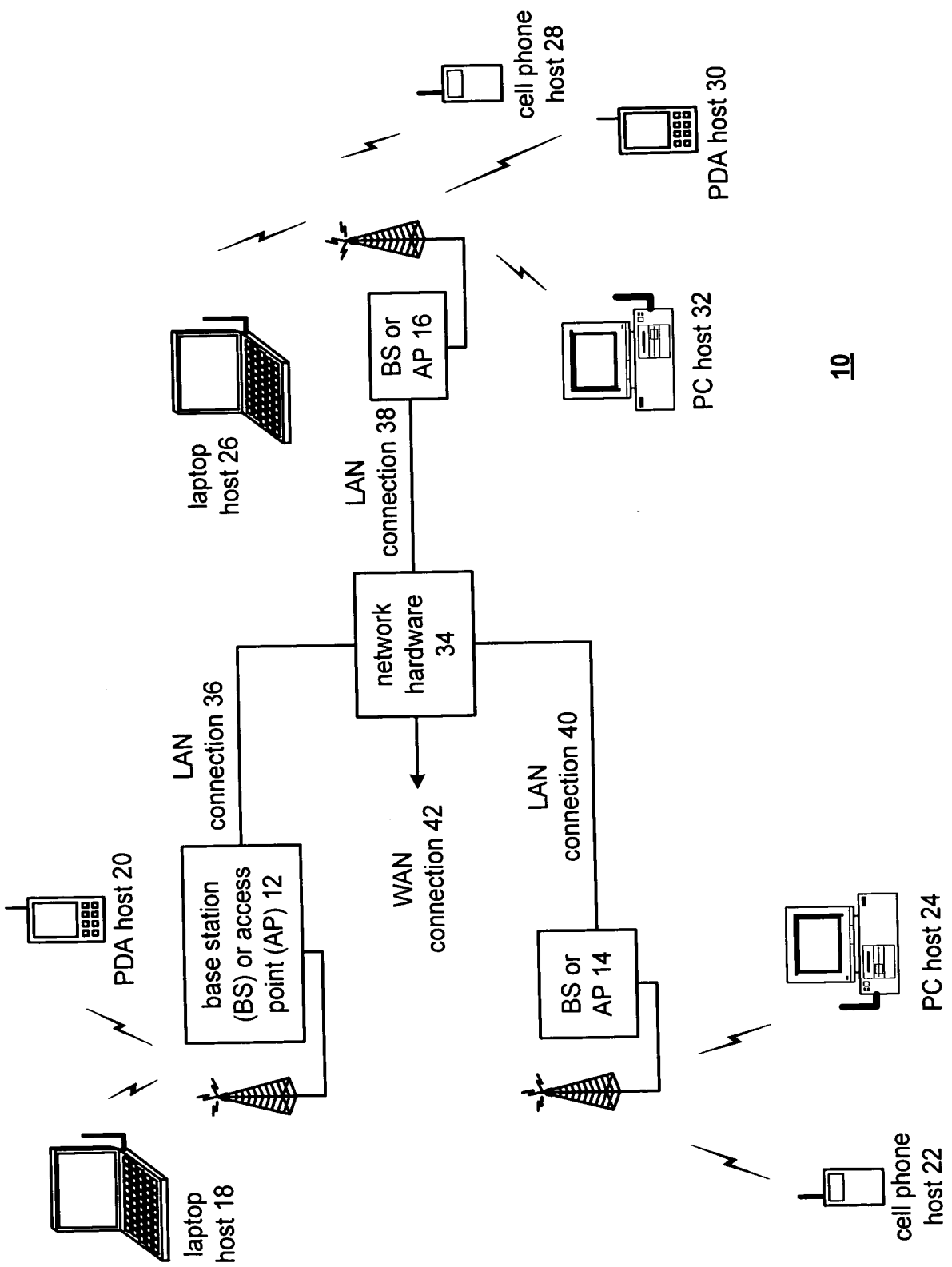


FIG. 1

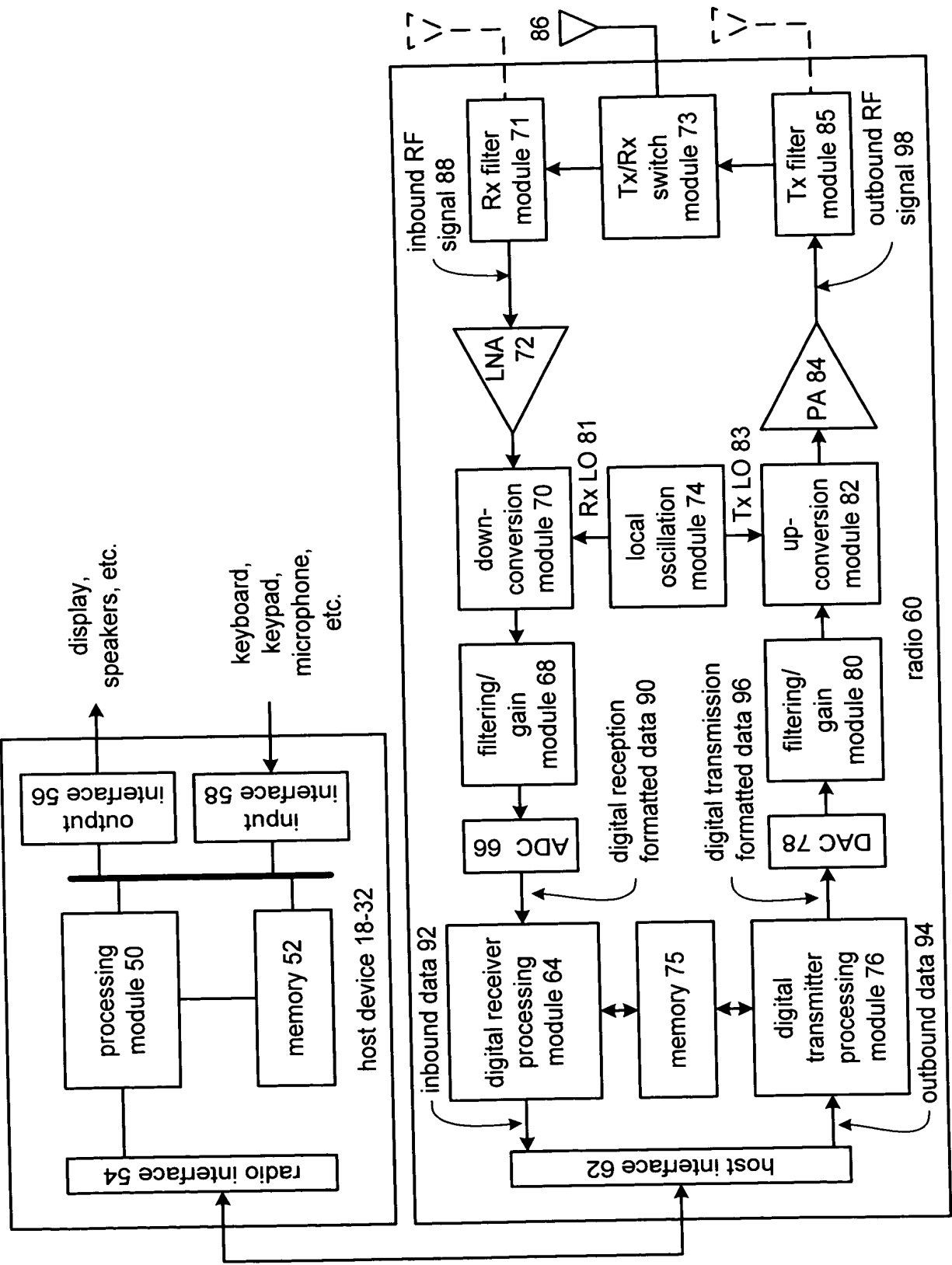


FIG. 2

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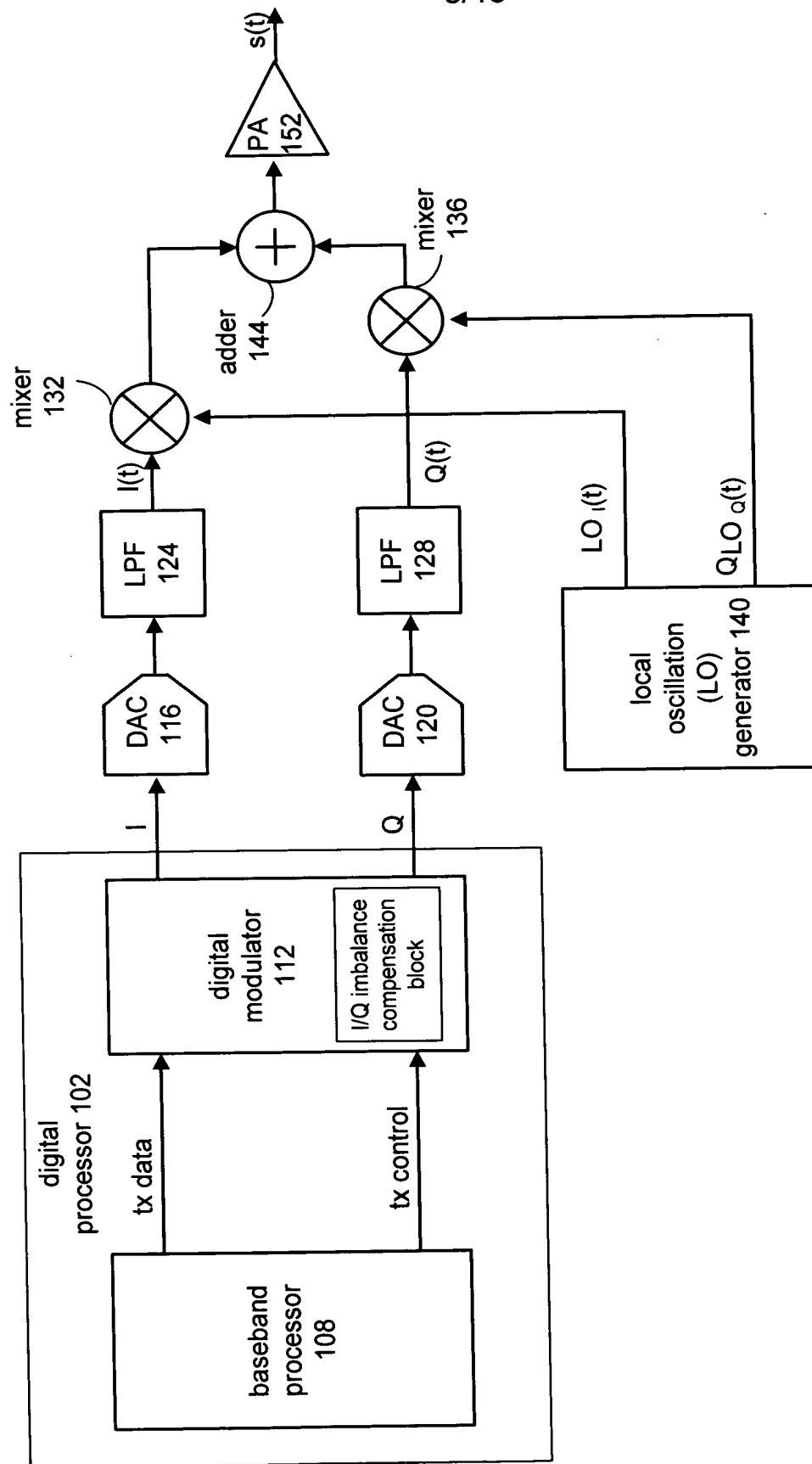
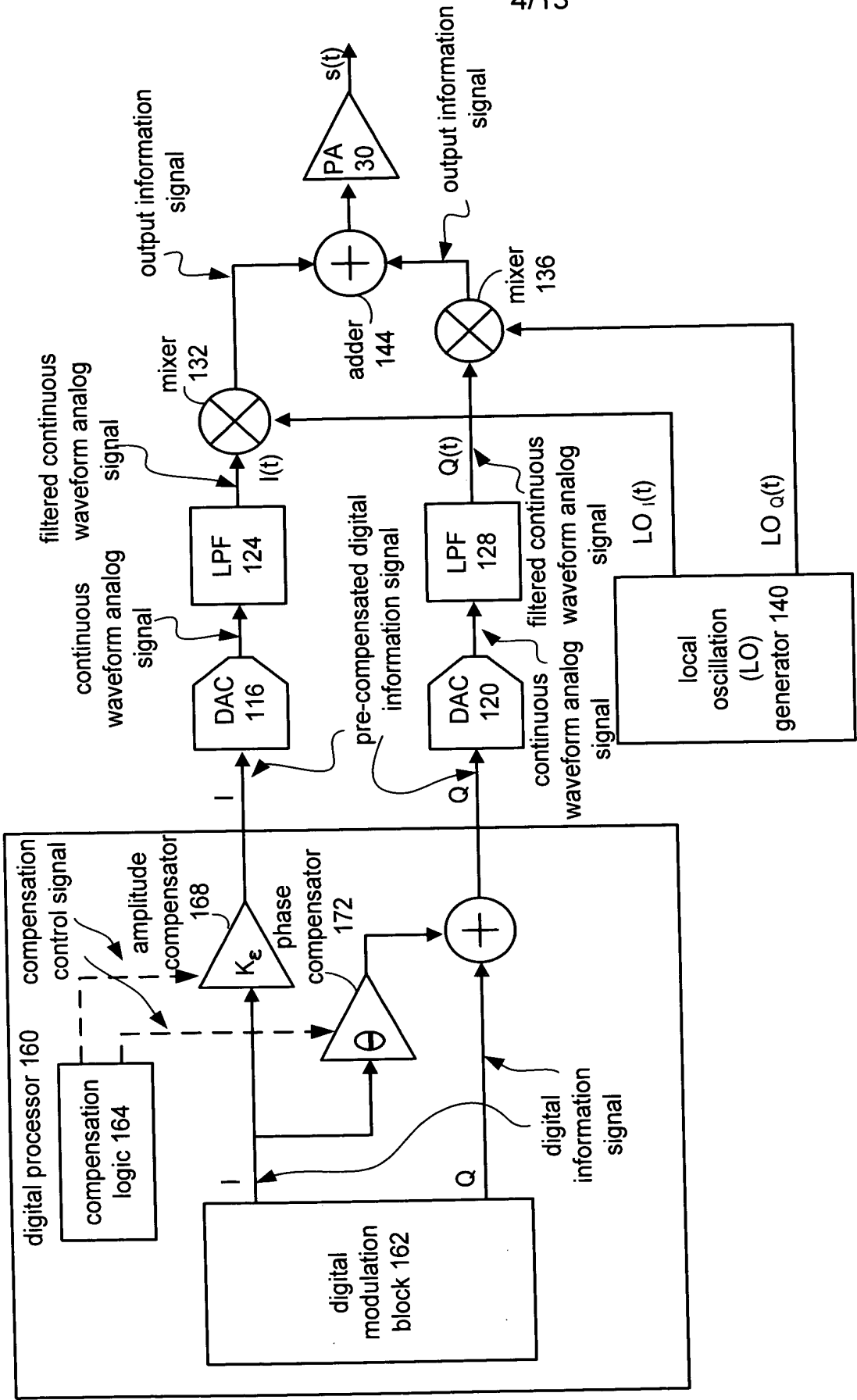
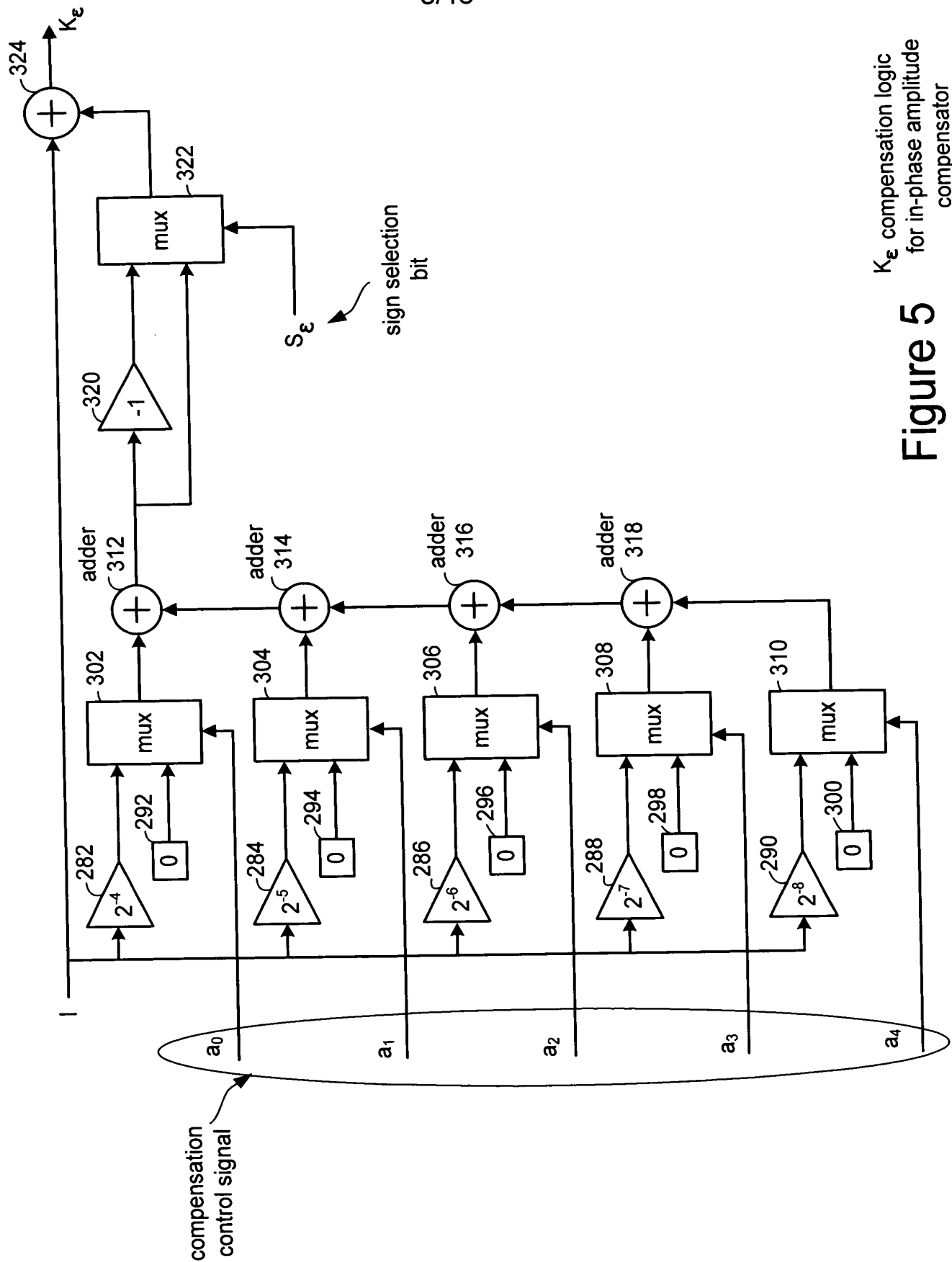


FIG. 3 radio transmitter 100



digital modulator 160 of a
radio transmitter with I/Q
imbalance compensation

FIG. 4



K_ϵ compensation logic
for in-phase amplitude
compensator

Figure 5

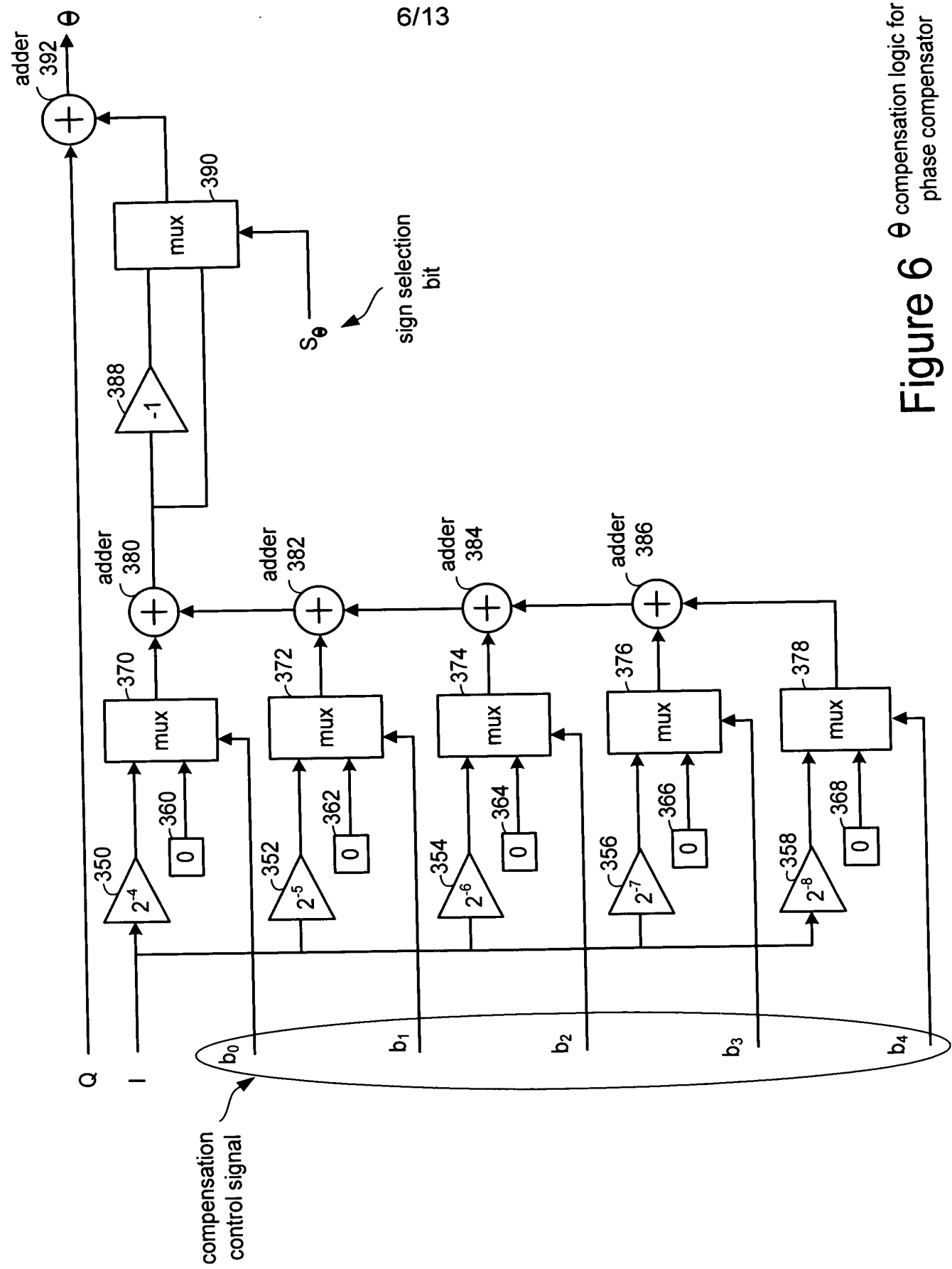


Figure 6 θ compensation logic for phase compensator

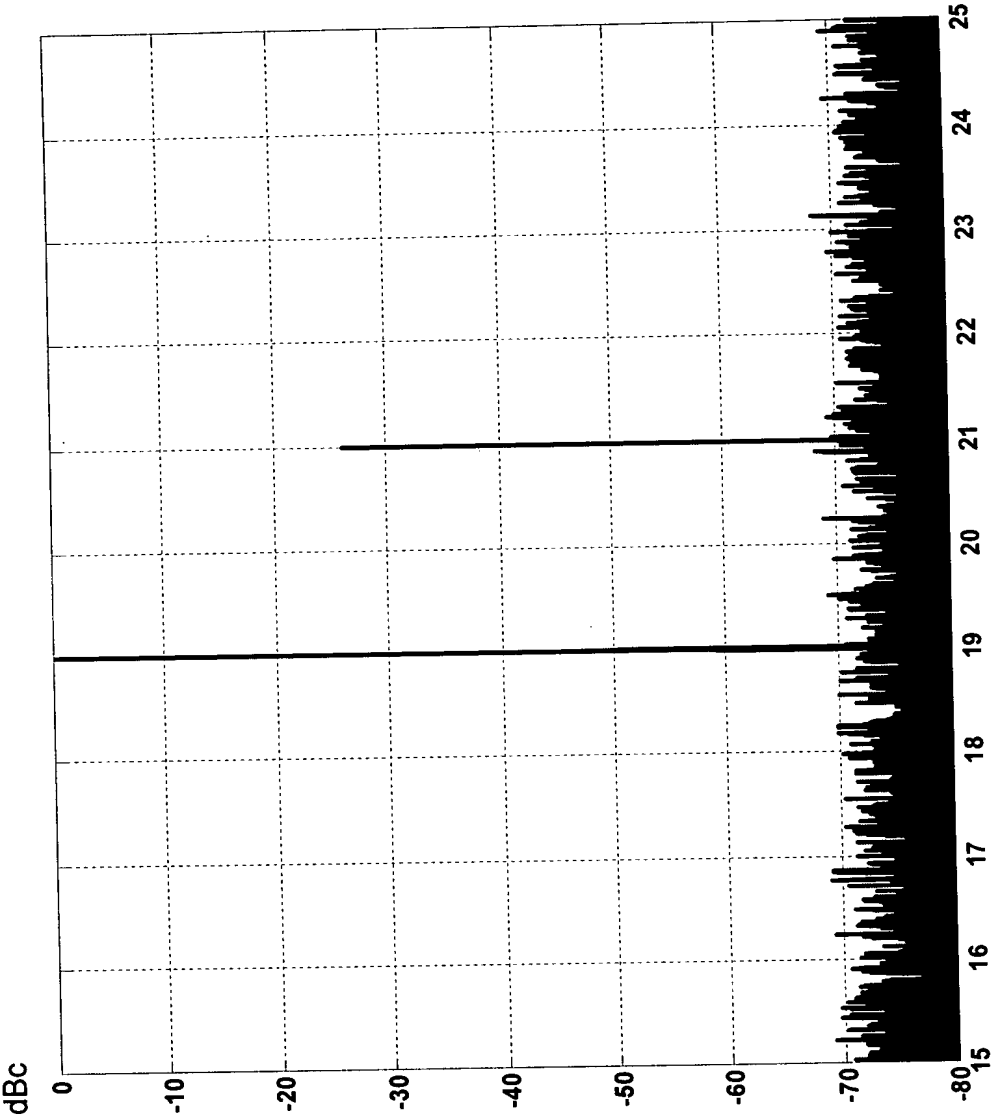


FIG. 7

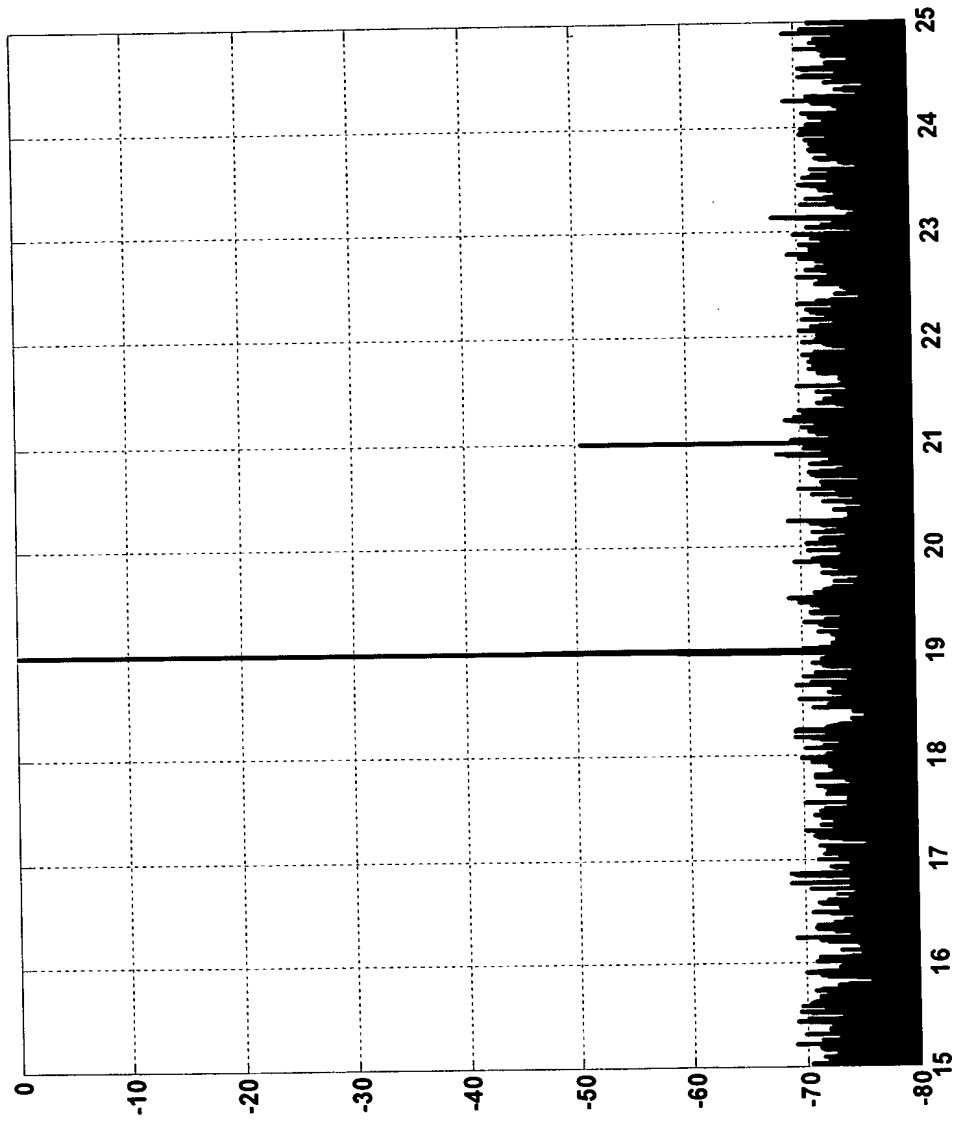


FIG. 8

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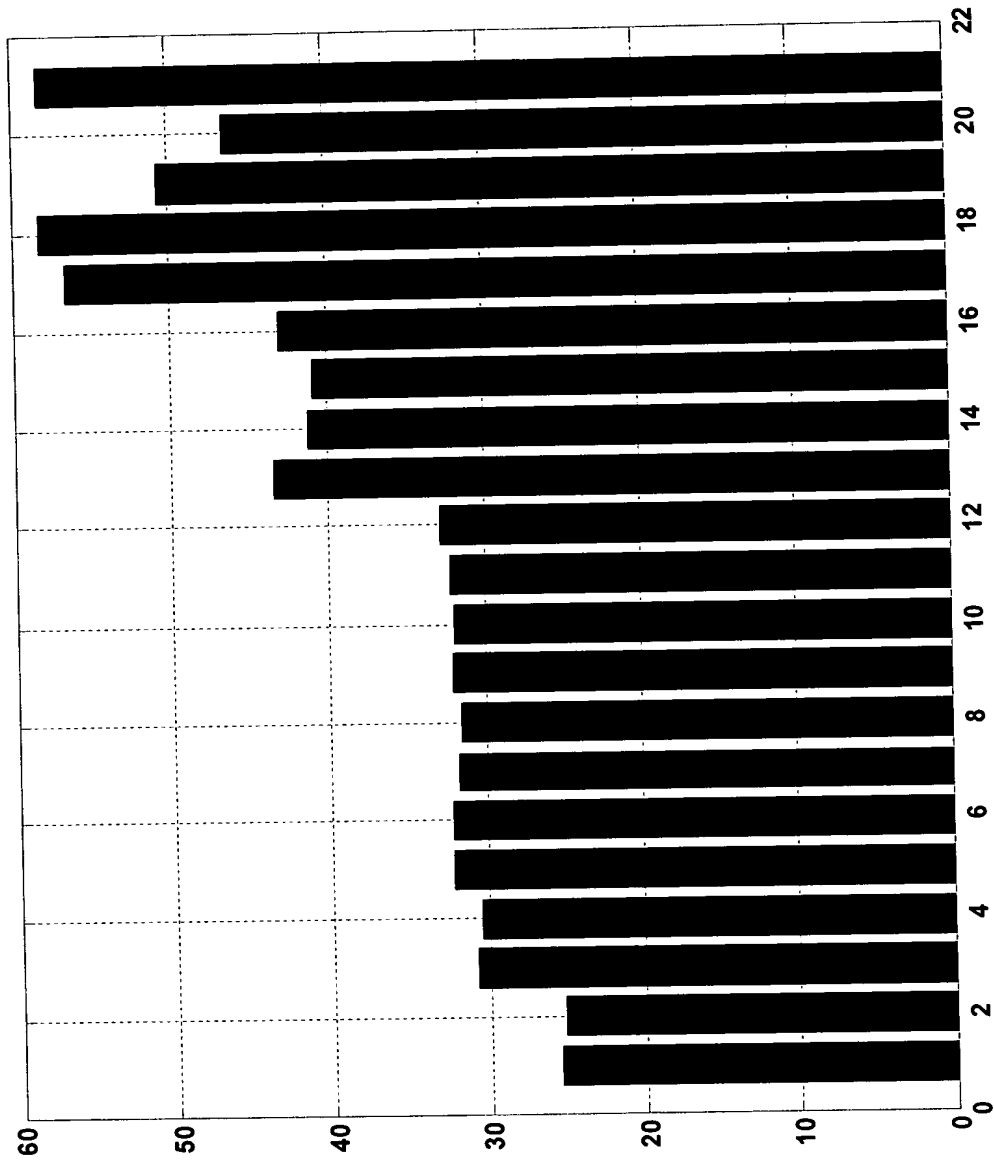


FIG. 9

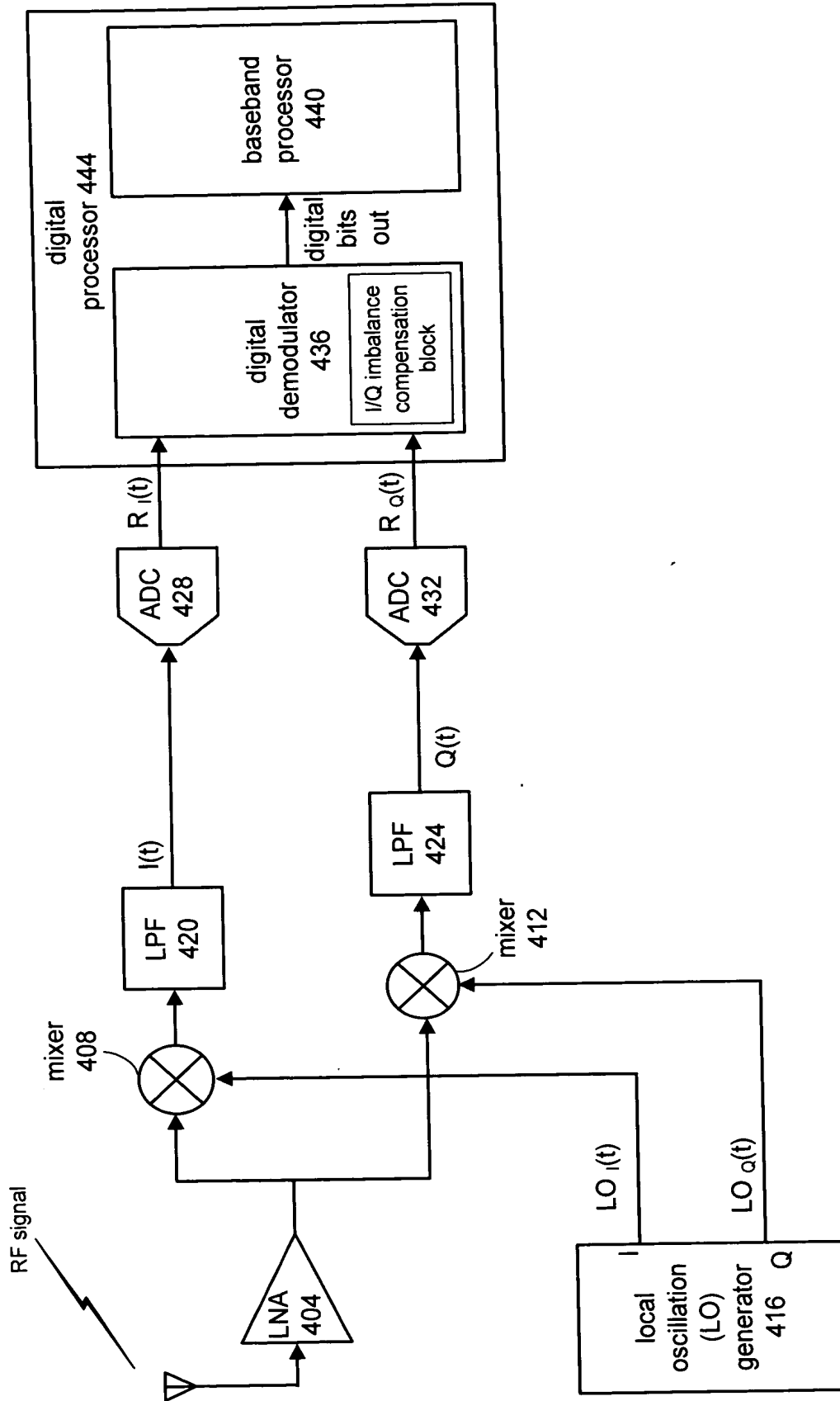


FIG. 10 radio receiver 400

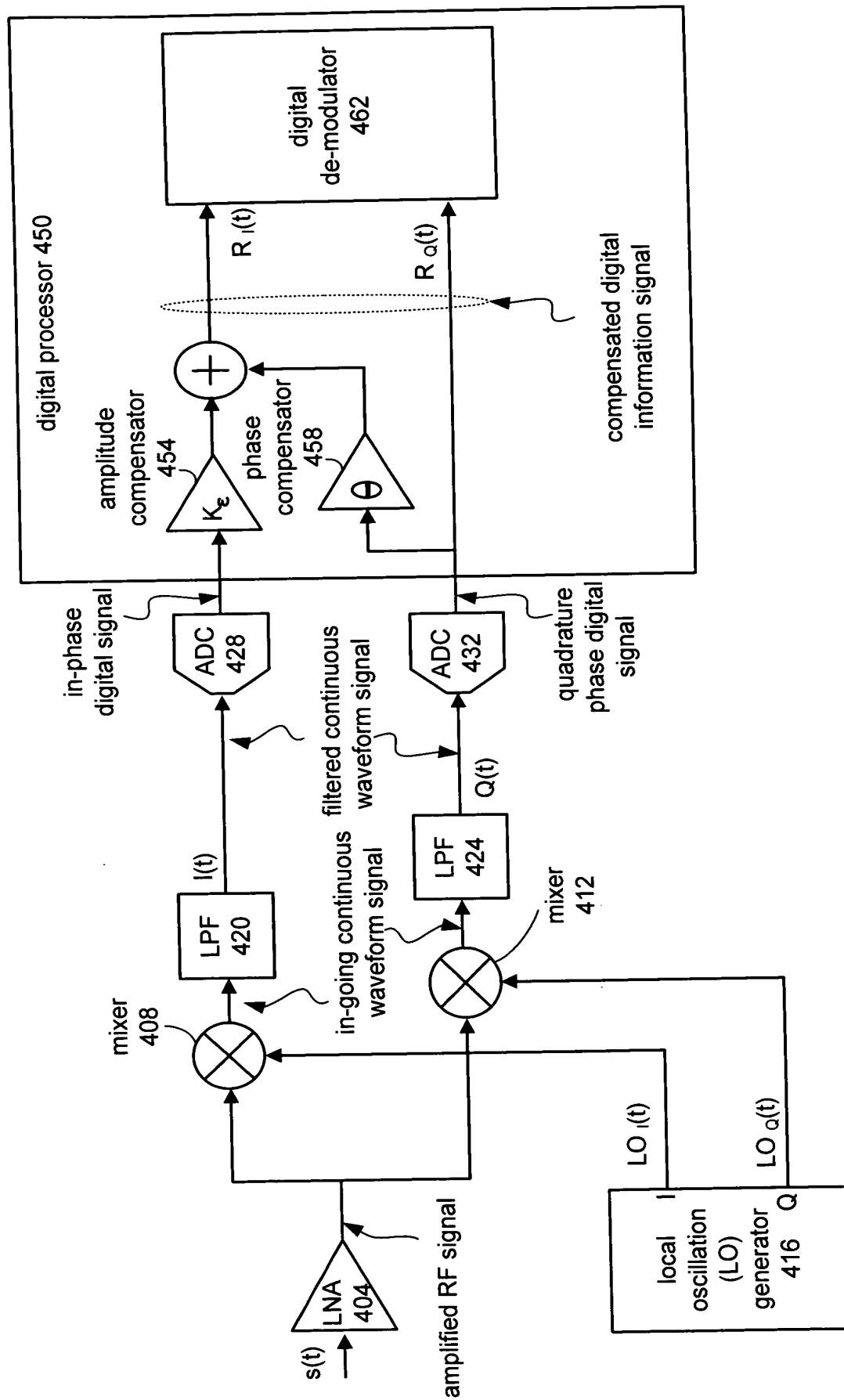


FIG. 11 radio receiver 400

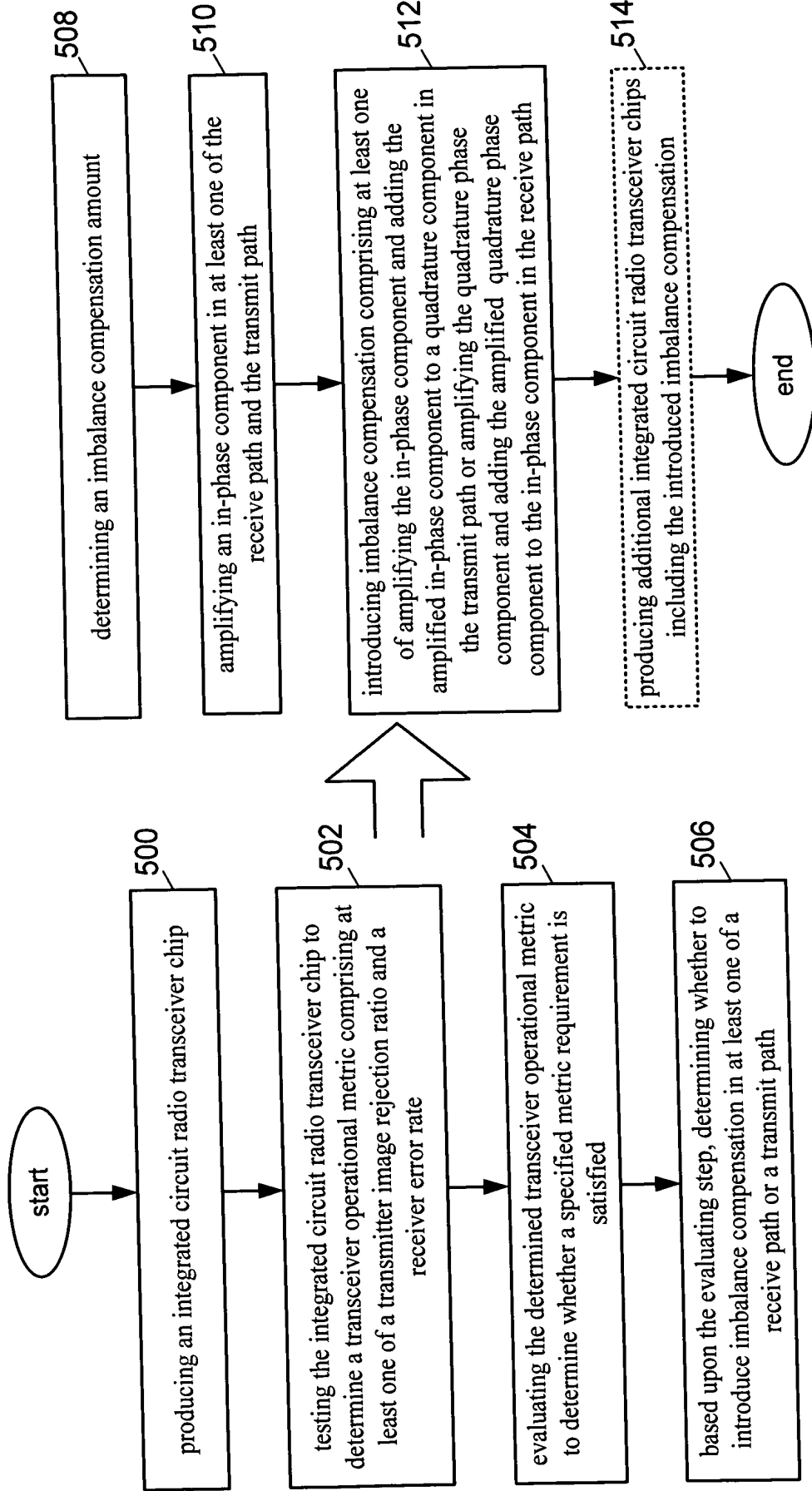


FIG 12 method for compensating for I/Q imbalance in production chips

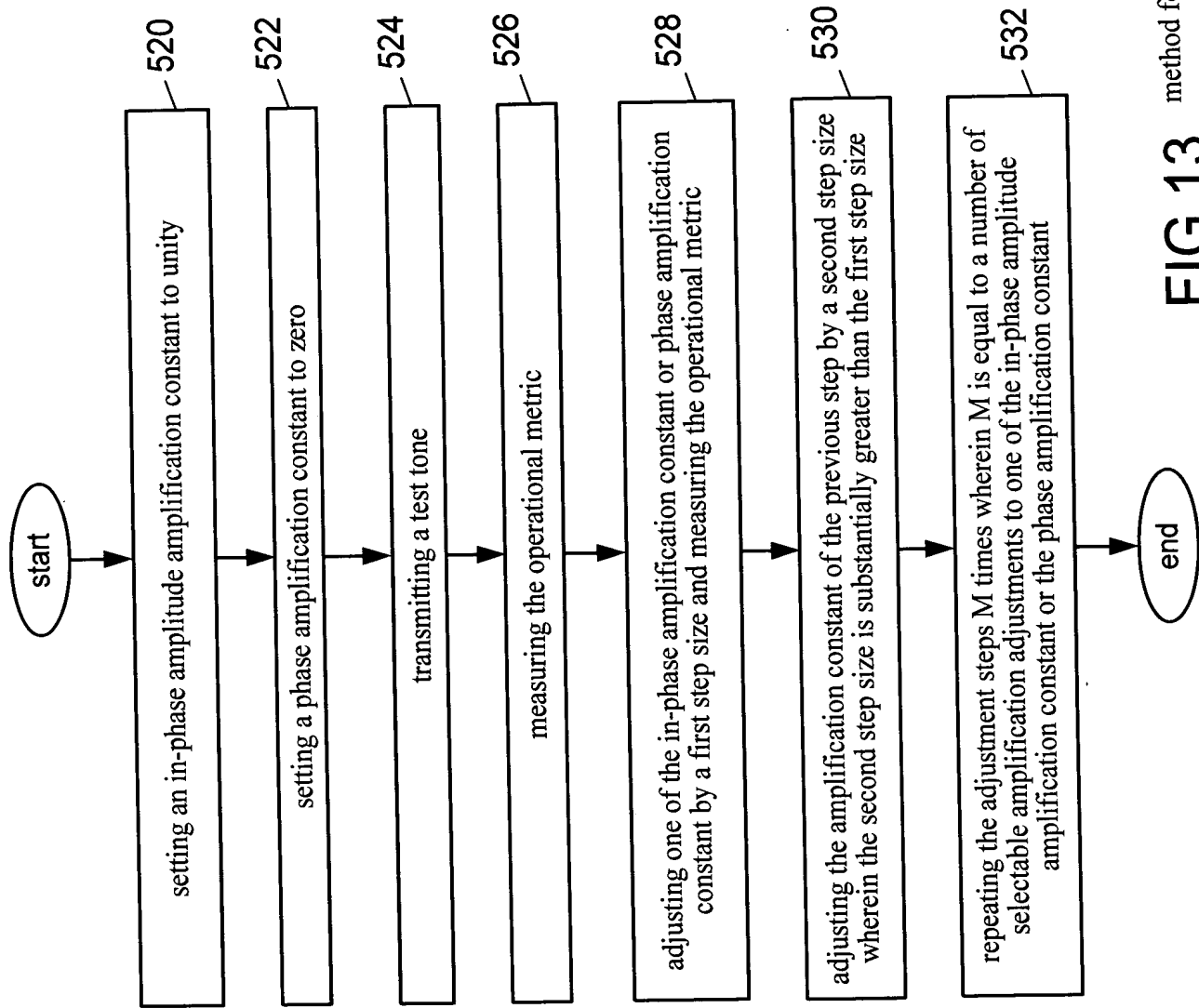


FIG 13 method for selecting imbalance compensation parameters